

## RAW SEQUENCE LISTING

DATE: 10/27/2000

PATENT APPLICATION: US/09/685,343

TIME: 18:05:19

Input Set : A:\Pto.amc

Output Set: N:\CRF3\10272000\I685343.raw

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3 <110> APPLICANT: CHARNEAU, PIERRE
4   ZENNOU, VERONIQUE
5   PFLUMIO, FRANCOISE
6   SIRVEN, ARIDE
7   DUBART, ANNE
9 <120> TITLE OF INVENTION: LENTIVIRAL TRIPLEX DNA, AND VECTORS AND RECOMBINANT
10  CELLS CONTAINING LENTIVIRAL TRIPLEX DNA
12 <130> FILE REFERENCE: 03495.0197 SEQUENCE LISTING
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/685,343
C--> 15 <141> CURRENT FILING DATE: 2000-10-11
17 <150> PRIOR APPLICATION NUMBER: 60/158,387
18 <151> PRIOR FILING DATE: 1999-10-12
20 <160> NUMBER OF SEQ ID NOS: 24
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 25
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTAGENESIS
31   PRIMER BASED ON PLASMID pLAI3
33 <400> SEQUENCE: 1
34 caattttaaa agaagagggg ggatt                25
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 43
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTAGENESIS
44   PRIMER BASED ON PLASMID pLAI3
46 <400> SEQUENCE: 2
47 attcatccac aacttcaagc gccgcggtgg tattgggggg tac                43
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 23
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
57   AMPLIFY NUCLEIC ACID ENCODING THE ENHANCED GREEN
58   FLUORESCENT PROTEIN
60 <400> SEQUENCE: 3
61 ccggatcccc accggtcgcc acc                23
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 23
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:

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70 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
71   AMPLIFY NUCLEOTIDES ENCODING THE ENHANCED GREEN
72   FLUORESCENT PROTEIN
74 <400> SEQUENCE: 4
75 ccctcgagct agagtcgcgg ccg                23
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 47
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
85   AMPLIFY pUCLTRRI-.
87 <400> SEQUENCE: 5
88 cggaattcgg atccgcggcc gcacgatct tgtcttcggt gggagtg        47
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 40
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
98   AMPLIFY pUCLTRRI-.
100 <400> SEQUENCE: 6
101 cggaattcag ccgtctcgag agatgctgca tataagcagc              40
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 38
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
111   AMPLIFY CPPT AND CTS OF pLAI3
113 <400> SEQUENCE: 7
114 gtggtcggcg ccgaattcac aaatggcagt attcatcc              38
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 34
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
124   AMPLIFY CPPT AND CTS OF pLAI3
126 <400> SEQUENCE: 8
127 gtcgtcggcg ccccaaagtg gatctctgct gtcc                34
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 38
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
137   AMPLIFY TRIPLEX SEQUENCE OF EFl alpha PROMOTER ON
138   THE MATRIX pLai

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140 <400> SEQUENCE: 9
141 gtcgtcggcg cegaattcac aaatggcagt attcatcc           38
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145 <211> LENGTH: 39
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
151     AMPLIFY TRIPLEX SEQUENCE OF EF1 alpha PROMOTER ON
152     THE MATRIX pLai
154 <400> SEQUENCE: 10
155 agcctcacga cgcgtatcag ccaaagtgga tctctgctg           39
158 <210> SEQ ID NO: 11
159 <211> LENGTH: 26
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
165     AMPLIFY TRIPLEX SEQUENCE OF EF1 alpha PROMOTER ON
166     THE MATRIX pEFpgkneo
168 <400> SEQUENCE: 11
169 ctgatacgcg tcgtgaggct ccggtg           26
172 <210> SEQ ID NO: 12
173 <211> LENGTH: 26
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
179     AMPLIFY TRIPLEX SEQUENCE OF EF1 alpha PROMOTER ON
180     THE MATRIX pEFpgkneo
182 <400> SEQUENCE: 12
183 cgggatacctg tgttctggcg gcaaac           26
186 <210> SEQ ID NO: 13
187 <211> LENGTH: 23
188 <212> TYPE: DNA
189 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 13
192 ccctcgagct agagtcgagg ccg           23
195 <210> SEQ ID NO: 14
196 <211> LENGTH: 23
197 <212> TYPE: DNA
198 <213> ORGANISM: Homo sapiens
200 <400> SEQUENCE: 14
201 ccggatcccc accggtcgcc acc           23
204 <210> SEQ ID NO: 15
205 <211> LENGTH: 21
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:

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210 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR
211     AMPLIFICATION OF pLAI3 VIRAL DNA
213 <400> SEQUENCE: 15
214 agaagaaatg atgacagcat g                               21
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 17
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR
224     AMPLIFICATION OF pLAI3 VIRAL DNA
226 <400> SEQUENCE: 16
227 tgccagttct agctctg                                     17
230 <210> SEQ ID NO: 17
231 <211> LENGTH: 20
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR
237     SYNTHESIS OF PROBE FOR pTRIPGFP VECTOR
239 <400> SEQUENCE: 17
240 cagggacttg aaagcgaaag                                   20
243 <210> SEQ ID NO: 18
244 <211> LENGTH: 27
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR
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252 <400> SEQUENCE: 18
253 gcttggtgtaa ttgttaattt ctctgtc                         27
256 <210> SEQ ID NO: 19
257 <211> LENGTH: 7
258 <212> TYPE: PRT
259 <213> ORGANISM: Human immunodeficiency virus type 1
261 <220> FEATURE:
262 <221> NAME/KEY: PEPTIDE
263 <222> LOCATION: (1)..(7)
264 <223> OTHER INFORMATION: Partial HIV-1 cPPT sequence.
266 <400> SEQUENCE: 19
267 Asn Phe Lys Arg Lys Gly Gly
268 1 5
271 <210> SEQ ID NO: 20
272 <211> LENGTH: 19
273 <212> TYPE: DNA
274 <213> ORGANISM: Human immunodeficiency virus type 1
276 <400> SEQUENCE: 20
277 ttttaaaaga aaagggggg                                     19
280 <210> SEQ ID NO: 21

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281 <211> LENGTH: 19  
282 <212> TYPE: DNA  
283 <213> ORGANISM: Artificial Sequence  
285 <220> FEATURE:  
286 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTATION  
287        INTRODUCED INTO THE HIV-1 cPPT SEQUENCE  
289 <400> SEQUENCE: 21  
290 ttttaaaccgc aaaggtggt                      19  
293 <210> SEQ ID NO: 22  
294 <211> LENGTH: 7  
295 <212> TYPE: PRT  
296 <213> ORGANISM: Artificial Sequence  
298 <220> FEATURE:  
299 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTANT  
300        PEPTIDE OF HIV-1 cPPT SEQUENCE  
302 <400> SEQUENCE: 22  
303 Asn Phe Lys Arg Arg Gly Gly  
304        1                      5  
307 <210> SEQ ID NO: 23  
308 <211> LENGTH: 19  
309 <212> TYPE: DNA  
310 <213> ORGANISM: Artificial Sequence  
312 <220> FEATURE:  
313 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTATION  
314        INTRODUCED INTO THE HIV-1 cPPT CODING SEQUENCE  
316 <400> SEQUENCE: 23  
317 ttttaaaaga agagggggg                      19  
320 <210> SEQ ID NO: 24  
321 <211> LENGTH: 19  
322 <212> TYPE: DNA  
323 <213> ORGANISM: Artificial Sequence  
325 <220> FEATURE:  
326 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTATIONS  
327        INTRODUCED INTO THE HIV-1 cPPT CODING SEQUENCE  
329 <400> SEQUENCE: 24  
330 cttcaagcgc cgcggtggt                      19

VERIFICATION SUMMARY                      DATE: 10/27/2000  
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L:14 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date